

## Res. Asst. DENİZ ARCA ÇAKIR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Vaccine Institute, Vaccine Technology, Turkey 2023 - Continues

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Turkey 2020 - 2023

Undergraduate, Baskent University, Faculty of Arts and Sciences, Molecular Biology and Genetics, Turkey 2016 - 2020

### Dissertations

Postgraduate, Aşı formülasyonlarında kullanılan herpes simpleks virüs 1 glikoprotein D ve/veya alüminyum adjuvanının nöroblastoma hücrelerinde apoptoz üzerine etkilerinin değerlendirilmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, 2023

### Research Areas

Pharmaceutical Toxicology, Biotechnology, Microbiology, Molecular Biology and Genetics

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heavy Metal and Trace Element Status and Dietary Determinants in Children with Phenylketonuria**  
Erdal I., YILDIZ Y., YALÇIN S. S., YİRÜN A., ÇAKIR D. A., ERKEKOĞLU Ü. P.  
NUTRIENTS, vol.16, no.20, 2024 (SCI-Expanded)
- II. **Comparative in silico and in vitro evaluation of possible toxic effects of bisphenol derivatives in HepG2 cells**  
BALCI ÖZYURT A., Yirun A., ÇAKIR D. A., ÖZÇELİK İ., Bacanlı M., YILDIZTEKİN K. G., SABUNCUOĞLU S., Basaran N., ERKEKOĞLU Ü. P.  
TOXICOLOGY RESEARCH, no.4, 2024 (SCI-Expanded)
- III. **Unraveling the neuroprotective mechanisms of naltrexone against aluminum-induced neurotoxicity.**  
Sanajou S., Yirün A., Arca Çakır D. A., Demirel G., Şahin G., Erkekoğlu P., Baydar T.  
Drug and chemical toxicology, pp.1-12, 2024 (SCI-Expanded)
- IV. **Evaluation of possible cytotoxic, genotoxic and epigenotoxic effects of titanium dioxide nanoparticles and possible protective effect of melatonin**  
BALCI ÖZYURT A., Yirün A., Cakır D. A., ZEYBEK N. D., Oral D., SABUNCUOĞLU S., ERKEKOĞLU Ü. P.  
Toxicology Mechanisms and Methods, vol.34, no.2, pp.109-121, 2024 (SCI-Expanded)
- V. **Antioxidant dihydrolipolic acid protects against in vitro aluminum-induced toxicity**  
Sanajou S., Yirün A., DEMİREL G., ÖZGÜNDOĞDU A. F., ŞAHİN G., ERKEKOĞLU Ü. P., BAYDAR T.  
Journal of Applied Toxicology, vol.43, no.12, pp.1793-1805, 2023 (SCI-Expanded)
- VI. **Evaluation of the effects of herpes simplex glycoprotein B on complement system and cytokines in in**

#### **vitro models of Alzheimer's disease.**

Yirün A., Çakır D. A., Sanajou S., Köse S. B. E., Özyurt A. B., Zeybek D., Bozdemir Ö., Baydar T., Erkekoglu P.  
Journal of applied toxicology : JAT, vol.43, no.9, pp.1368-1378, 2023 (SCI-Expanded)

#### **VII. Comparison of melamine exposure by feeding practices in babies aged 0–6 months**

YEŞİLDEMİR Ö., AKDEVELİOĞLU Y., Kose S. B. E., ÖZGÜNDOĞDU A. F., Yirun A., Ozyurt A. B., SABUNCUOĞLU S., Camurdan A. D., ÇUHACI ÇAKIR B., ERKEKOĞLU Ü. P.

Environmental Toxicology and Pharmacology, vol.98, 2023 (SCI-Expanded)

#### **VIII. Dental Implants and Implant Coatings: A Focus on Their Toxicity and Safety**

Özkan A., Çakır D. A., Tezel H., Sanajou S., Yirün A., Baydar T., Erkekoglu P.

JOURNAL OF ENVIRONMENTAL PATHOLOGY, TOXICOLOGY AND ONCOLOGY, vol.42, no.2, pp.31-48, 2023 (SCI-Expanded)

#### **IX. Evaluation of the toxic effects of thimerosal and/or aluminum hydroxide in SH-SY5Y cell line**

ÖZTÜRK M. S., Yirün A., Erdemli-Köse S. B., Balcı-Özyurt A., Çakır D. A., Oral D., ERKEKOĞLU Ü. P.

Human and Experimental Toxicology, vol.41, 2022 (SCI-Expanded)

#### **X. Estimated exposure to bisphenol A in breastfed and breastfed plus formula-fed infants in Turkey: a comparison study**

YEŞİLDEMİR Ö., AKDEVELİOĞLU Y., DUYAN ÇAMURDAN A., ÇUHACI ÇAKIR B., Erdemli Kose S. B., Arca Cakir D. A., Yirun A., BALCI ÖZYURT A., SABUNCUOĞLU S., ERKEKOĞLU Ü. P.

Drug and Chemical Toxicology, 2022 (SCI-Expanded)

### **Articles Published in Other Journals**

#### **I. Toxicity of serotonin-norepinephrine reuptake inhibitors (SNRIs) during pregnancy and lactation**

Canitez G., ŞİMŞEK R., ÇAKIR D. A., Yalcin H., BAYDAR T., ERKEKOĞLU Ü. P.

ISTANBUL JOURNAL OF PHARMACY, no.2, pp.255-267, 2024 (ESCI)

#### **II. Herpes Simplex Viruses and Vaccine Studies: A Traditional Review**

Çakır D. A., Baydar T., Erkekoglu Ü. P.

Literatür Eczacılık Bilimleri Dergisi, vol.11, no.3, pp.201-212, 2022 (Peer-Reviewed Journal)

#### **III. Testicular dysgenesis syndrome and phthalate exposure: A review of literature Sindrom testikularne disgenoze i izloženost ftalatima: Pregled literature**

ERKEKOĞLU Ü. P., Özyurt A. B., Yirün A., Çakır D. A.

Arhiv za Farmaciju, vol.71, no.6, pp.508-543, 2021 (Scopus)

### **Supported Projects**

ERKEKOĞLU Ü. P., ÇAKIR D. A., TEZEL YALÇIN H., BEREKET C., Project Supported by Higher Education Institutions, YAŞLANMA KARŞITI ETKİDE DOĞAL BİLEŞENLERİN ROLÜ KLOROJENİK ASİT EİKOSAPENTAENOİK ASİT PİRİNÇ SUYU VE CENTELLA ASIATICA EKSTRESİNİN YAŞLANMA KARŞITI ETKİLERİ ÜZERİNE BİR HÜCRE KÜLTÜRÜ ÇALIŞMASI, 2024 - Continues

Erkekoglu Ü. P., Yıldıztekin K. G., Tezel Yalçın H., Çakır D. A., Özçelik İ., Project Supported by Higher Education Institutions, 2024 - 2024

### **Metrics**

Publication: 16

Citation (Scopus): 15

H-Index (Scopus): 2